

Patent Abstracts of Japan

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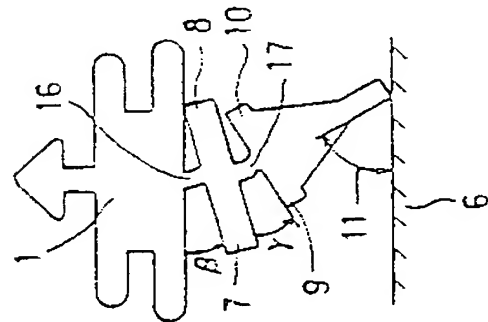
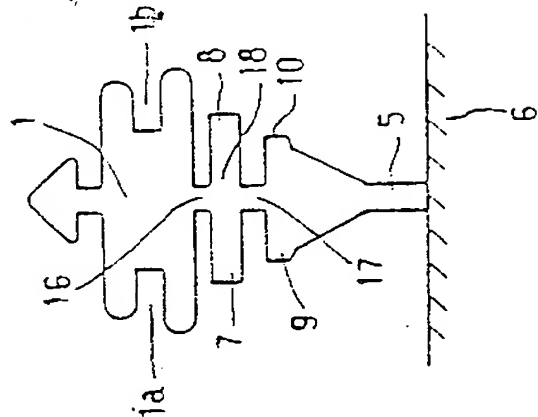
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APPLICANT : NIPPON DENSO CO LTD;

INVENTOR : HONDA YUKIO;

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TITLE : WIPER BLADE RUBBER



X → 1, 2, 7

ABSTRACT : PURPOSE: To aim at preventing the occurrence of a noise, by setting up intermediate rubber between a lip part wiping a windshield surface and a rubber upper part, while installing a neck part at more than two spots, and making the lip part optionally tilt to the windshield plane surface with flexibility inherent in these two neck parts.

CONSTITUTION: In the conventional rubber, since there is no intermediate rubber, a rubber wiping part 5 is tilted down at a stroke at a turnover position as far as a portion for the angle α till rubber shoulder parts 9 and 10 hit a metal fitting keeping part 1 whereby the impact force required for the turnover is large enough, emitting a noise there. Accordingly, first, the intermediate rubber 18 tilts down as far as an angle β till shoulder parts 7 and 8 hit the metal fitting keeping part 1 and afterward a lip part 5 tilts down as far as a portion for an angle γ till these shoulder parts 9 and 10 hit the intermediate rubber 18 whereby the impact force in time of turning over is made dispersible. Thus, noises and vibrations due to the turnover are sharply reducible.

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